

10/1/04

**CERTIFIED HOT MIX ASPHALT PRODUCER  
QUALITY CONTROL PLAN CHECKLIST**

**DATE** \_\_\_\_\_

**PLANT NO.** \_\_\_\_\_

**PRODUCER** \_\_\_\_\_

**PLANT LOCATION** \_\_\_\_\_

- ☐ County
- ☐ Nearest Identifiable Point

**ORGANIZATIONAL STRUCTURE**

Management Representative

- ☐ Employer
- ☐ Duties
- ☐ Telephone Number

Certified Technician(s)

- ☐ Employer
- ☐ Duties
- ☐ Telephone Number
- ☐\* Duties

Other Personnel

- ☐ Duties

**LABORATORY**

- ☐\* Other Testing Company and Location of Lab
- ☐\* Transportation of Mixture to Lab
- ☐\* Documentation from Other Testing Lab of Lab Equipment Calibration,. Certified Technicians, and Qualified Technicians. (if lab is not owned by Certified Plant)
- ☐ List of Equipment Calibrated or Verified
- ☐ Test Methods and Frequency of Calibration/Verification
- ☐ Access Statement

\* Only If Applicable

## MIXING PLANT

### Site Layout

- ☐ Aggregate and Recycled Material Stockpile Area
- ☐ Binder Tanks
- ☐\* Fuel Tank
- ☐\* Stabilizing Additive Supply
- ☐\* Anti-Adhesive Supply
- ☐\* Field Laboratory
- ☐ Visitor Parking Area
- ☐ Mixing Plant Components

### Material Stockpiles

- ☐ Identification of Stockpiles
- ☐ Stockpiling Procedure for Aggregates
- ☐\* Stockpiling Procedure for Recycled Materials
- ☐ Cold Bin Loading Procedures to prevent overflow of material from one bin into another

### Mixture Calibrations

- ☐ Procedure

### Binder

- ☐ Plan for Identification of Grade of Binder in each Tank
- ☐\* Plan for Change in Binder Grades
- ☐ Sampling Location Indicated

### Baghouse Fines

- ☐\* Procedure for Return of Fines

### Stabilizing Additives

- ☐ Procedure for Addition of Stabilizing Additive

### Anti-Adhesive Agent

- ☐\* Statement that Agent is on Approved List
- ☐\* Procedure for Application
- \* Only If Applicable

### Surge Bins

- ☐\* Written Approval for Extended Storage
- ☐\* Procedure for Sealing
- ☐ Method to prevent discharge when mixture falls below top of cone

### Trucks

- ☐ Procedure for Loading Trucks

## **MATERIALS SAMPLING AND TESTING – QC/QA HMA and SMA**

### Aggregate Stockpiles

- ☐ Sampling Procedure
- ☐ Sample Reduction Procedure
- ☐ Size of Sample
- ☐ Gradation Test Method
- ☐ Testing Frequency for each Aggregate is stated

### Blended Aggregate (Hot Bin, Cold Feed Belt, or Belt Discharge)

- ☐ Location of Sample
- ☐ Sampling Procedure
- ☐ Sample Reduction Procedure
- ☐ Size of Sample
- ☐ Gradation Test Method
- ☐ Testing Frequency for each Mixture is stated

### \* Recycled Materials

- ☐ Location of Sample
- ☐ Sampling Procedure
- ☐ Sample Reduction Procedure
- ☐ Size of Sample
- ☐ Binder Content Test Method
- ☐\* Fines Correction Procedure
- ☐ Gradation Test Method
- ☐ Moisture Content Test Method
- ☐\* Coarse Aggregate Angularity Test Method
- ☐ Testing Frequency is stated

\* Only If Applicable

## **MATERIALS SAMPLING AND TESTING – QC/QA HMA and SMA (continued)**

### Hot Mix Asphalt – Plant

- ☐ Sample
  - ☐ Sampling Procedure
  - ☐ Sample Reduction Procedure
- ☐ Binder Content
  - ☐ Size of Sample
  - ☐ Test Method
  - ☐\* Fines Correction Procedure
  - ☐ Testing Frequency for each Mixture is stated
- ☐ Gradation (SMA only)
  - ☐ Test Method
- ☐\* Coarse Aggregate Angularity
  - ☐ Test Method
- ☐ Moisture Content
  - ☐ Test Method
- ☐ Temperature
  - ☐ Procedure
- ☐ Draindown (Open Graded and SMA Mixture Only)
  - ☐ Test Method

### Hot Mix Asphalt – Pavement

- ☐ Sample
  - ☐ Sampling Procedure
  - ☐ Sample Reduction Procedure
- ☐ Bulk Specific Gravity
  - ☐ Size of Sample
  - ☐ Test Method
  - ☐ Testing Frequency for each Mixture is stated
- ☐ Maximum Specific Gravity
  - ☐ Size of Sample
  - ☐ Test Method
  - ☐ Testing Frequency for each Mixture is stated
- ☐ Binder Content
  - ☐ Size of Sample
  - ☐ Test Method
  - ☐\* Fines Correction Procedure
  - ☐ Testing Frequency for each Mixture is stated

\* Only if Applicable

## **MATERIALS SAMPLING AND TESTING – QC/QA HMA and SMA (continued)**

- ☐ Gradation (SMA Mixtures Only)
  - ☐ Test Method
- ☐\* Coarse Aggregate Angularity
  - ☐ Test Method
- ☐ Moisture Content (Surface Mixture Only )
  - ☐ Test Method

## **MATERIALS SAMPLING AND TESTING – HMA**

### Hot Mix Asphalt

- ☐ Sample
  - ☐ Location
  - ☐ Sampling Procedure
  - ☐ Sample Reduction Procedure
- ☐ Binder Content
  - ☐ Size of Sample
  - ☐ Test Method
  - ☐ Testing Frequency for each Mixture (Min. – First 250 t and each subsequent 1000 t for base and intermediate mixtures and first 250 t and each subsequent 600 t for surface mixtures)
- ☐ Gradation
  - ☐ Test Method
- ☐\* Coarse Aggregate Angularity
  - ☐ Test Method
- ☐ Bulk Specific Gravity
  - ☐ Size of Sample
  - ☐ Test Method
  - ☐ Testing Frequency for each Mixture ( Min.- First 250 t and each subsequent 1000 t for base and intermediate mixtures and first 250 t and each subsequent 600 t for surface mixtures )
- ☐ Maximum Specific Gravity
  - ☐ Size of Sample
  - ☐ Test Method
  - ☐ Testing Frequency for each Mixture ( Min.- First 250 t and each subsequent 1000 t for base and intermediate mixtures and first 250 t and each subsequent 600 t for surface mixtures )

\* Only if Applicable

## **OTHER PROCESS CONTROL TECHNIQUES**

- ☐\* Types or Greater Frequencies of Testing
- ☐\* Visual Checks and Monitoring

## **ADDENDA**

- ☐ Means or Handling Addenda - Includes Time Commitment
- ☐ Statement Concerning Plant Number, Date of Revision, and Means of Identifying Revision.

## **DOCUMENTATION**

- ☐ Control Charts (QC/QA HMA and SMA Only)
- ☐ Test Data
- ☐ Diary
- ☐ List of Documents on File at Plant or Lab

## **AUTHENTICATION**

- ☐ Last Page
- ☐ QCP Signed and Dated
- ☐ Corporate Title of Management Representative indicated

\* Only If Applicable